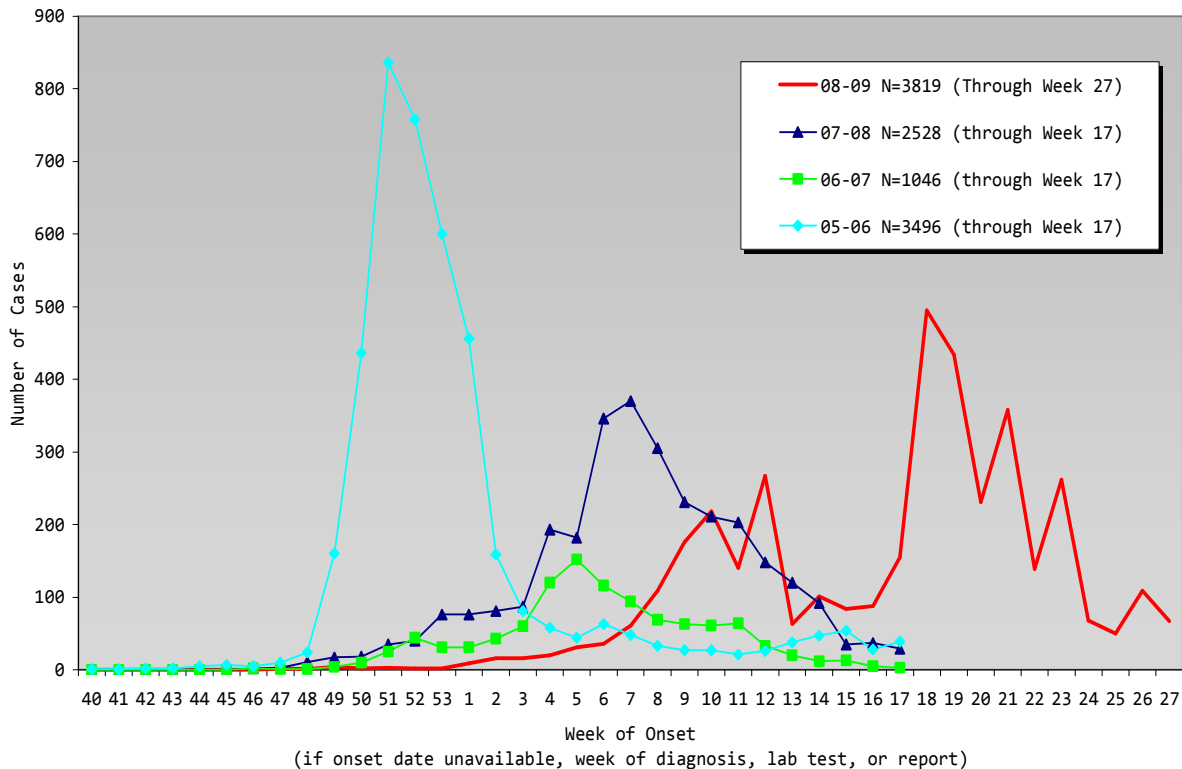
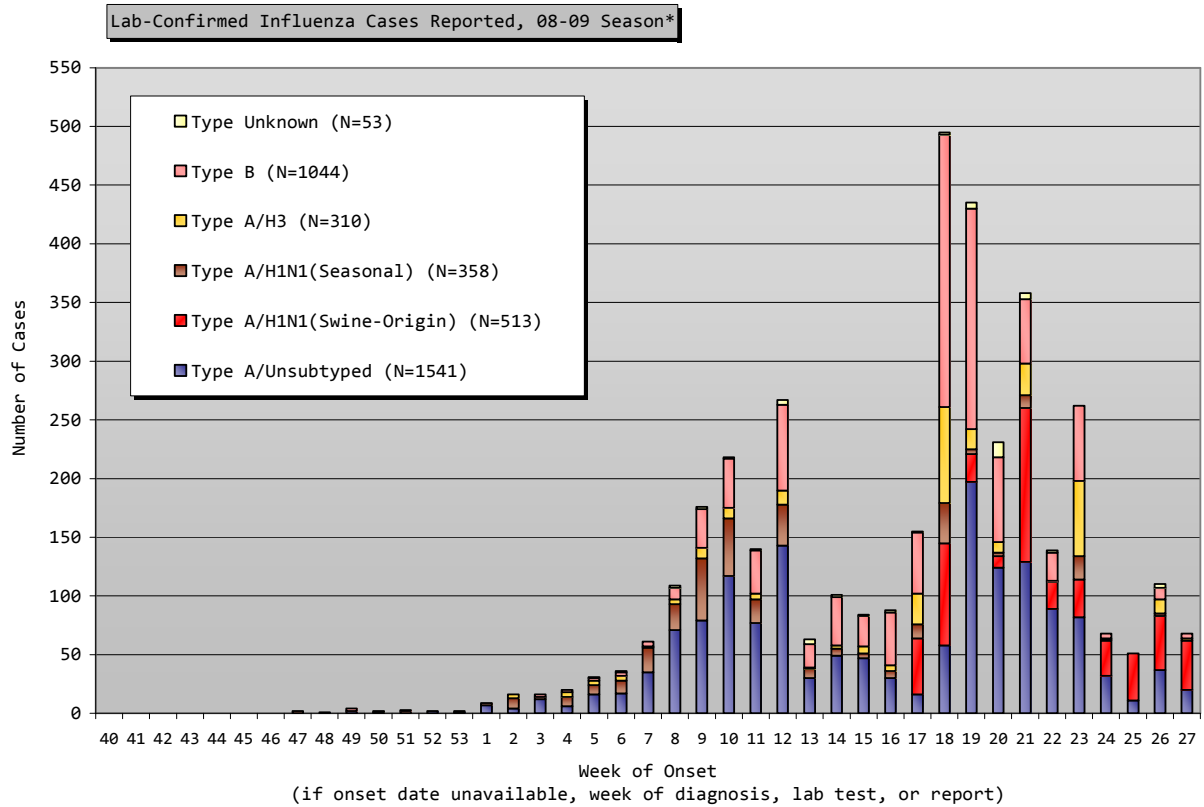
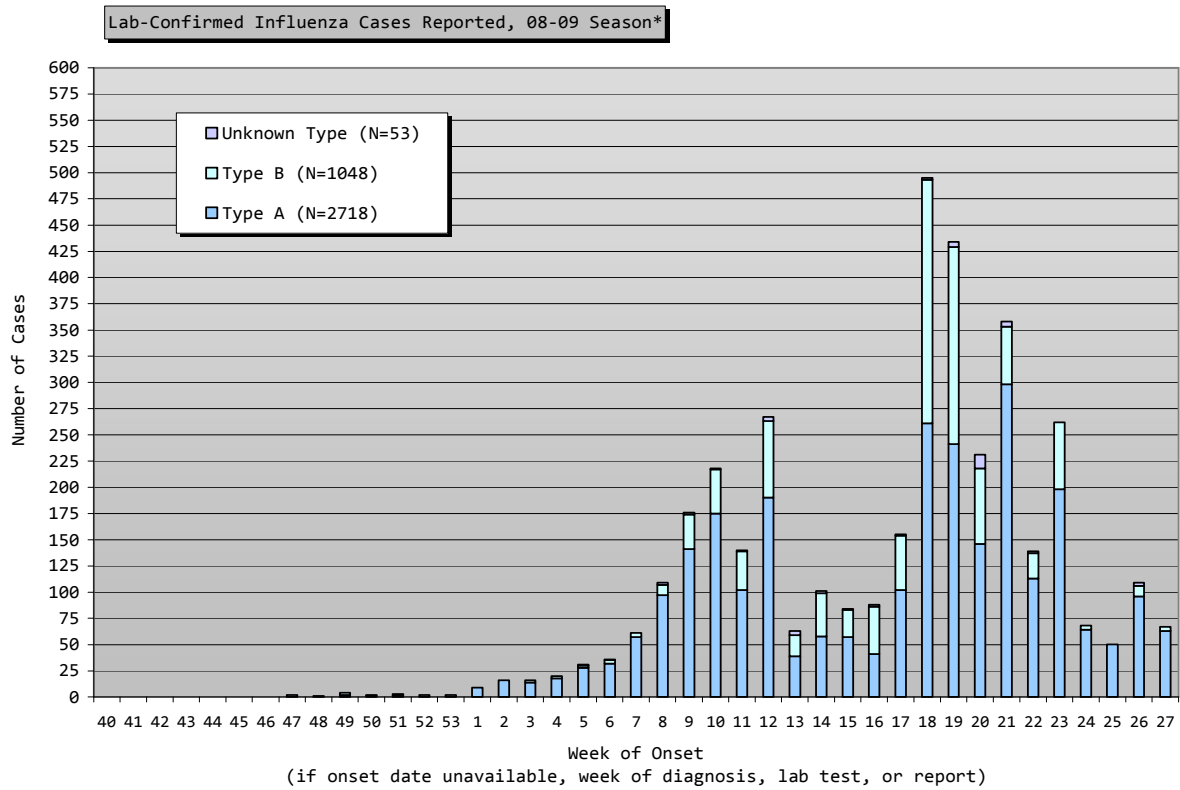


MARICOPA COUNTY INFLUENZA SUMMARY UPDATE
WEEK 27 (7/5/09-7/11/09)

- **Lab Confirmed Influenza:** 3819 cases of influenza have been confirmed at the Arizona State Laboratory (Through week 27).
- **Pneumonia & Influenza Mortality:** 5.43% of all deaths were due to pneumonia or influenza (Week 27) (MCDPH Office of Vital Statistics)
 - **Influenza Associated Deaths (IAD):** 20 influenza-related deaths have been reported through week 27. **(6 type-A, 3 type-B, 3 type-Unknown & 8 novel H1N1).**
 - **Pediatric IAD:** 4 of the 20 IAD were pediatric cases **(2 type A, 1 Type A/H1N1 & 1 type B).**
- **Influenza-Like Illness:**
 - **Cigna Health Centers (n=20):** 0.06% of visits due to ILI. (provisional data; subject to change as updated information becomes available)
 - **Hospital Emergency Departments (n=17):** 1.21% of visits due to ILI.
- **Biosense:** (n=6) 0.14 of all visits were due to ILI.
- **Severe Illness or Death (Biosense);** (n=6) Slight increase in activity during week 27.
- **Respiratory Syndromes (Biosense):** (n=6) 12.73% of all visits were due to a respiratory syndrome.

Lab-Confirmed Influenza Cases Reported:
05-06 Season, 06-07 Season, 07-08 Season, 08-09 Season





2008-2009, Age Distribution, Various Methods of Counting Seasonal Influenza-Associated Deaths

2008-2009 Seasonal Influenza	A=Influenza on DC + positive testing			B=Influenza on DC, no testing or unknown testing			C=No influenza but respiratory COD on DC + positive testing			D=Influenza on DC + negative culture/PCR			E=Pending DC + positive testing			TOTALS		
Influenza Type	A	B	Unk	A	B	Unk	A	B	Unk	A	B	Unk	A	B	Unk	A	B	Unk
Under 5	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0
5-19	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20-64	1	1	0	1	0	1	0	0	0	1	0	0	1	0	0	4	1	1
65 and older	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	1	2
TOTAL	2	2	0	1	0	1	1	1	0	1	0	2	1	0	0	6	3	3

2008-2009, Age Distribution, Various Methods of Counting Novel Influenza-Associated Deaths

2008-2009 Novel H1N1 Strain	A=Influenza on DC + positive testing	B=Influenza on DC, no testing or unknown testing	C=No influenza but respiratory COD on DC + testing	D=Influenza on DC + negative culture/PCR	E=Pending DC + positive testing	TOTALS
Age Group	All Novel H1N1 Strains are Type A influenza.					
Under 5	1	0	0	0	0	1
5-19	0	0	0	0	0	0
20-64	2	0	2	0	0	4
65 and older	0	0	1	0	2	1
TOTAL	3	0	3	0	2	8

2008-2009, Confirmed Seasonal and Novel H1N1 Influenza-Associated Deaths by serotype.

Type	Seasonal Influenza*	Novel H1N1	Total
A	5	8	13
B	3		3
Unk	1		1
Total	9	8	17

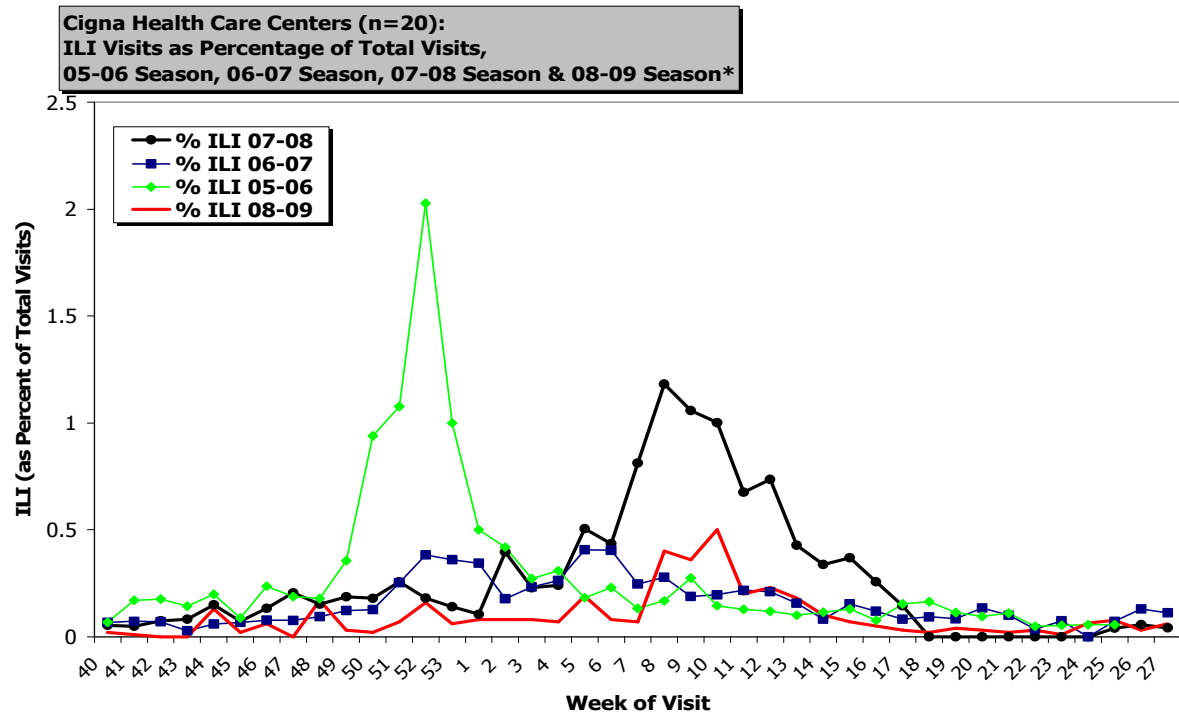
**Confirmed IAD include cases with Influenza or Respiratory causes of death + positive testing or unknown testing. Cases with positive testing and a pending death certificate are also included.*

Influenza-Like Illness (ILI)* Surveillance

*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.

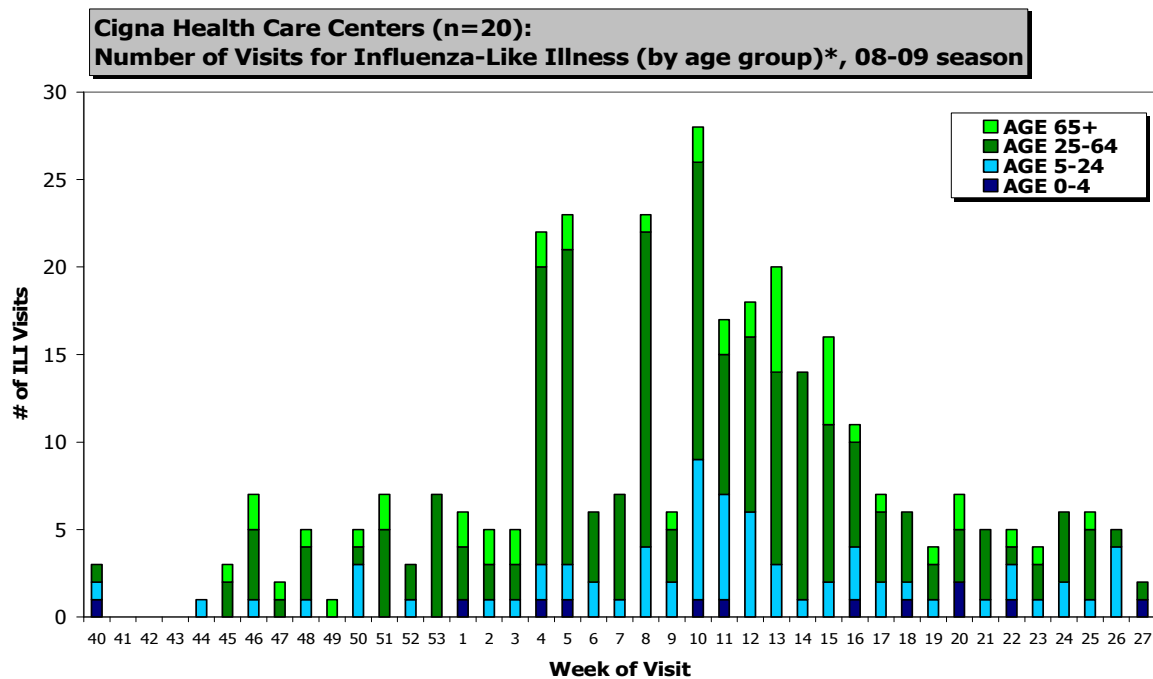
- During Week 27, 0.06% of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 27 of the two previous seasons, 0.04% (07-08) and 0.11% (06-07) of patient visits to Cigna Health Care Centers were due to ILI. (*Provisional data; may change in subsequent reports as updated information becomes available.)
- The percentage of ER visits for ILI (data from 17 hospitals) was 1.21% for Week 27.

Influenza-Like Illness (ILI)* Surveillance



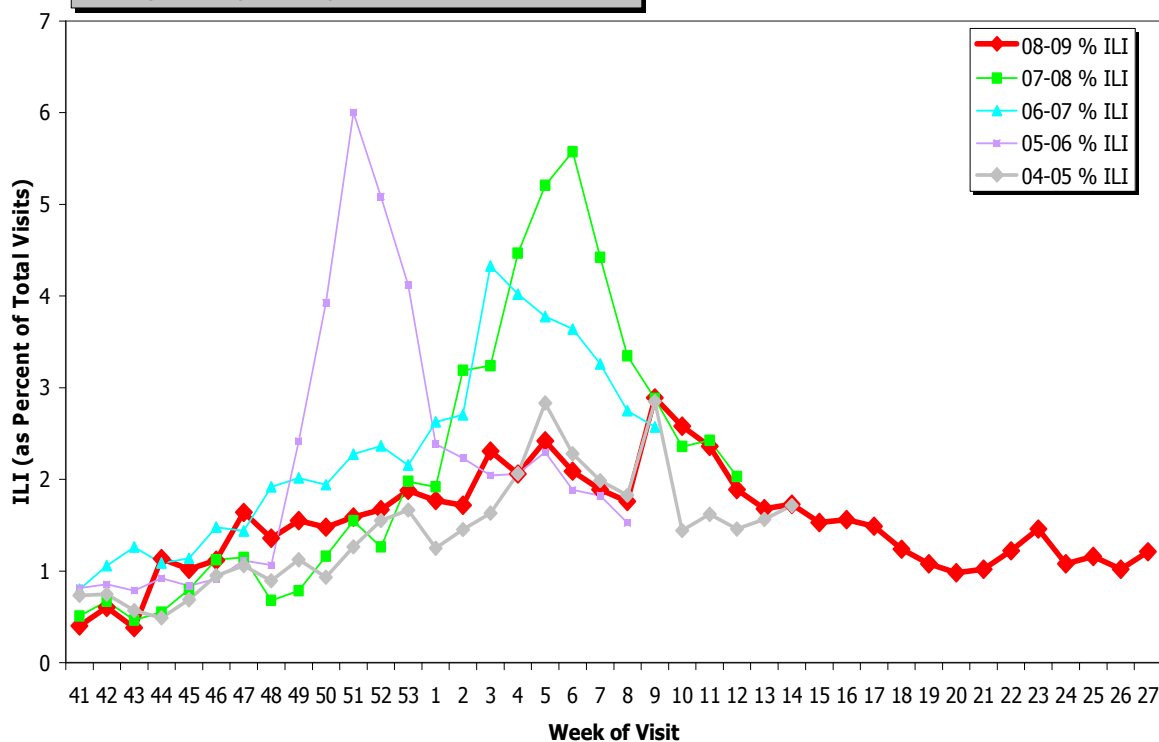
*Data for Weeks 24-27 of the 08-09 season is provisional and may change in subsequent reports as updated information becomes available.

Influenza-Like Illness (ILI)* Surveillance

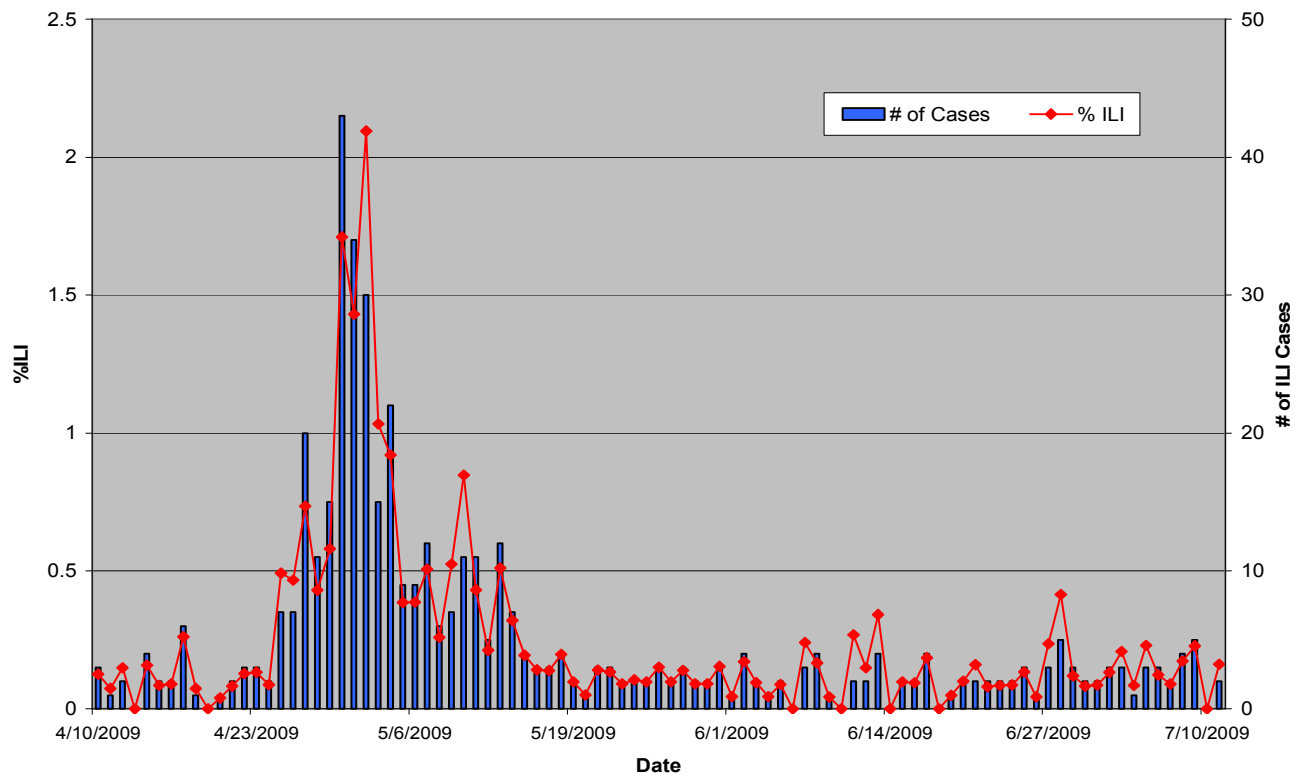


*Data for Weeks 24-27 of the 08-09 season is provisional and may change in subsequent reports as updated information becomes available.

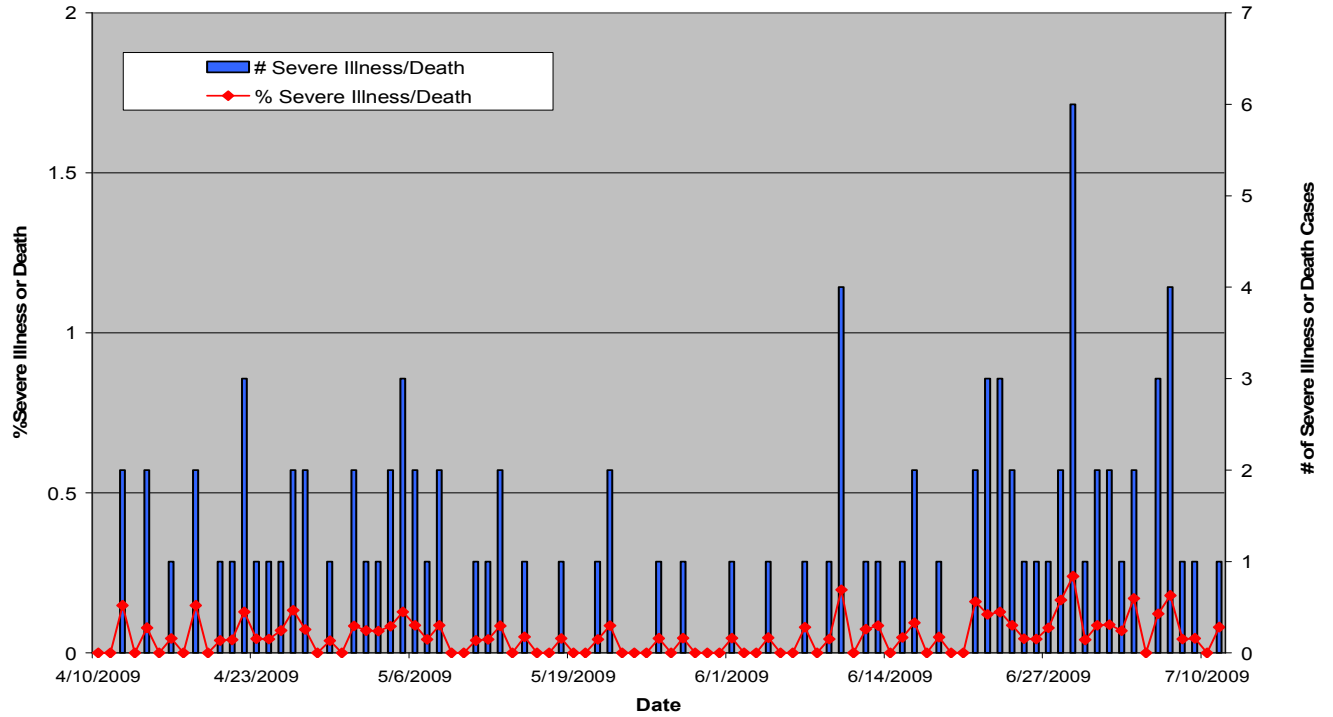
**Hospital Emergency Departments (n=17):
ILI Visits as Percentage of Total Visits
04-05, 05-06, 06-07, 07-08 & 08-09 Seasons**



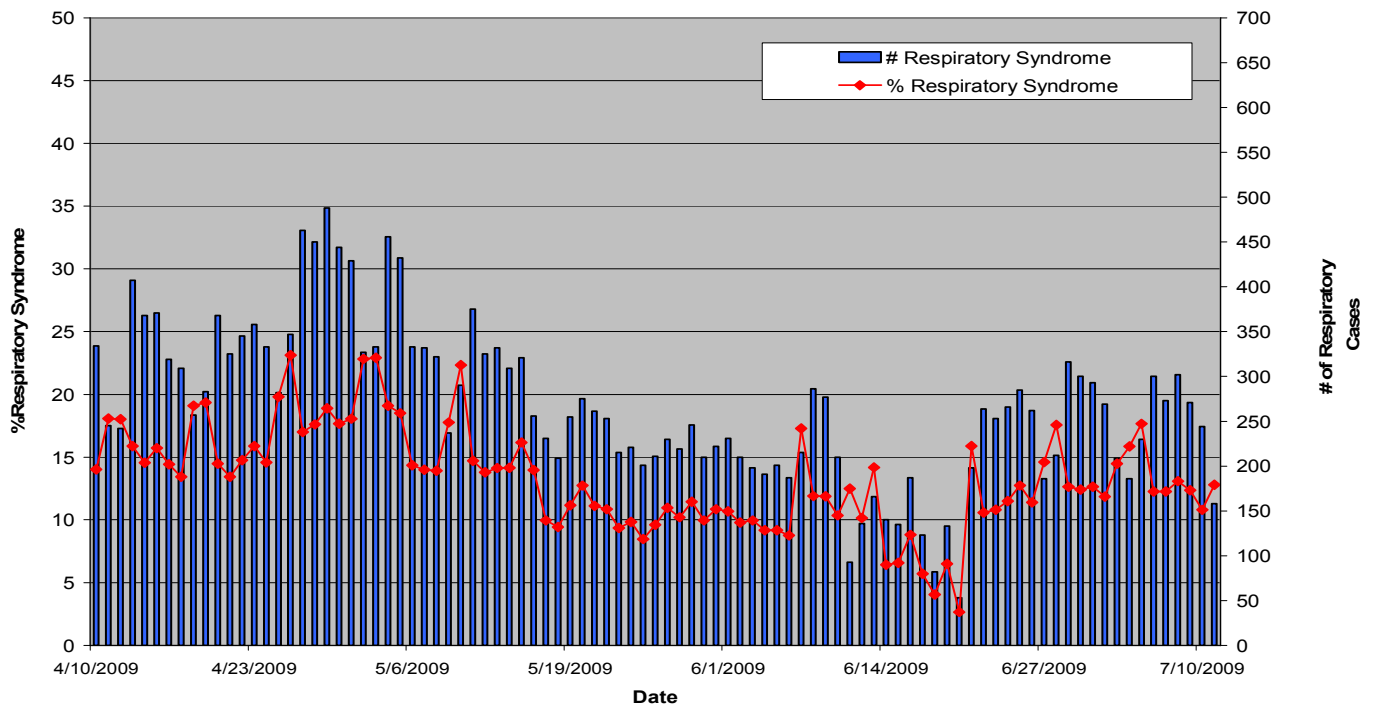
**All Biosense Facilities- Daily ILI Surveillance
(n=6 facilities)**

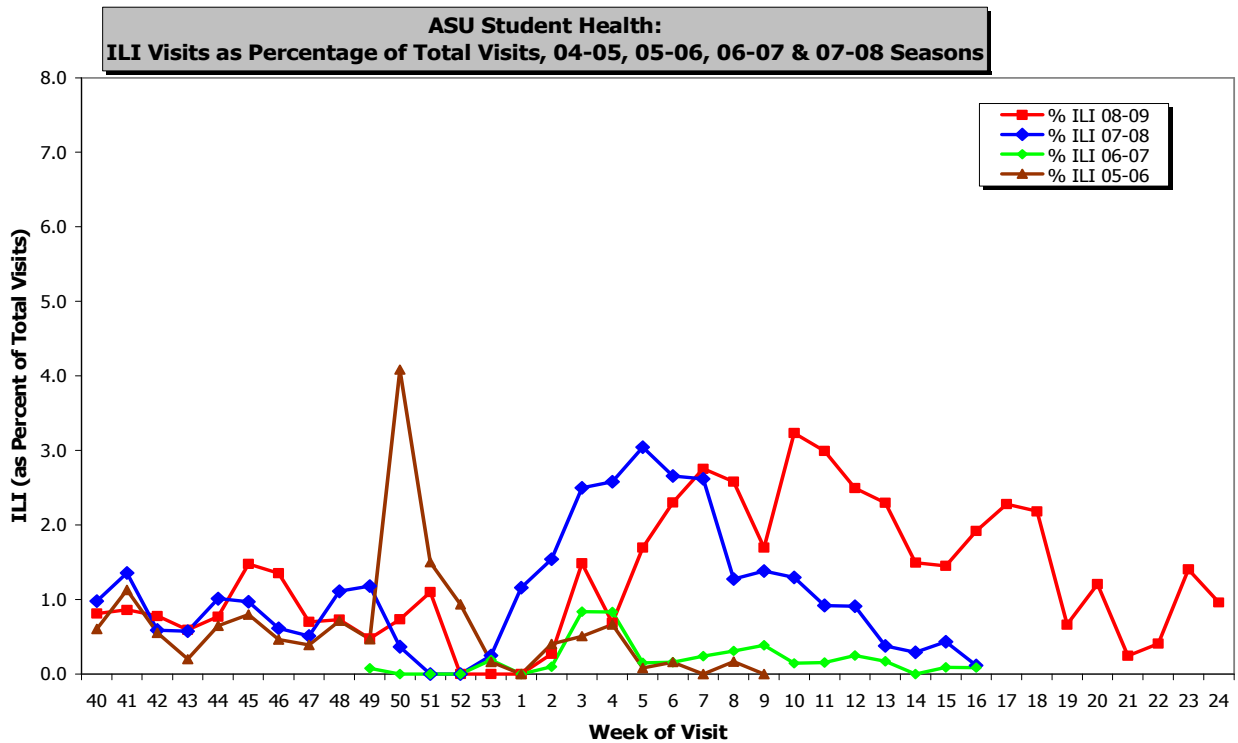


**All Biosense Facilities Daily Syndrome Surveillance: Severe Illness or Deaths
(n=6 facilities)**



**All Biosense Facilities Daily Syndrome Surveillance: Respiratory
(n=6 facilities)**





Influenza Activity outside Maricopa County

Information on influenza activity outside Maricopa County is available at these sites:

- http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm (Arizona Department of Health Services)
- <http://www.cdc.gov/flu/weekly/fluactivity.htm> (CDC)

Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.

Please email any questions about this report to: dereksteinke@mail.maricopa.gov.
Report generated: 7/21/09.

Influenza Surveillance Participants include:

Arizona Department of Health Services

Cigna Health Care Centers

Arizona State University Campus Health Services

Hospital Emergency Departments & Infection Control Practitioners

- | | |
|------------------------------------|---------------------------------------|
| • Banner Baywood Hospital | • Mayo Hospital |
| • Banner Desert Hospital | • MMC |
| • Banner Estrella Hospital | • St. Josephs Hospital |
| • Banner Gateway Hospital | • St. Luke's Hospital |
| • Banner Good Samaritan | • Tempe St. Luke's |
| • Banner Del E. Webb Hospital | • Scottsdale Healthcare Shea |
| • Arrowhead Hospital | • Scottsdale Healthcare Osborne |
| • Carl T. Hayden VA Medical Center | • Scottsdale Healthcare Thompson Peak |
| • John C Lincoln North Mountain | • Wickenburg Community Hospital |

